

OFFICIAL GAZETTE

GOVERNMENT OF GOA, DAMAN AND DIU

EXTRAORDINARY

GOVERNMENT OF GOA, DAMAN AND DIU

Works, Education and Tourism Department

Irrigation Department

Notification

No. CE/Irrigation/431/81

Whereas it appears expedient to the Government that the water of the rivers and its main tributaries and sub-tributaries as specified in column 2 of the Schedule annexed hereto (hereafter called as the said water) be applied and used by the Government for the purpose of the proposed canals, as specified in column 2 within the limits specified in the corresponding entries in columns 3 to 6 of the said Schedule.

Now, therefore, in exercise of powers conferred by Section 4 of the Goa, Daman and Diu Irrigation Act, 1973 (18 of 1973) the Administrator of Goa, Daman and Diu hereby declares that, the said water will be so applied and used after 1-7-1982.

SCHEDULE

Sr. No.	Name of water source and nallahs etc.	Description of source of water	Name of Village, Talukas, District in which the water source is situated		
			Village	Taluka	District
1	2	3	4	5	6
IN GOA DISTRICT					
1.	Tiracol River:				
	For Minor Irrigation Work namely Bandhara at Kiranpani.	Tiracol river is on the boundary of Maharashtra State and Goa territory. It originates from the Western Ghat Region of Maharashtra State and enters in Goa District at Patradevi village including all the tributaries, streams and nallas flowing Westward till it empties into Arabian Sea near Tiracol village. It covers a distance of 27.5 kms. in Goa District, Union Territory of Goa, Daman and Diu and passes along the border of Goa District and Maharashtra State (The river is subject to tidal variations). The main tributaries of the river Tiracol are as mentioned below:—	Patradevi, Torxem, Uguem, Poroscodem, Naibag, Karibanda, Deus, Paliem, Kiranpani, Querim and Tiracol.	Pernem	Goa
2.a)	Tributary No. 1 (Torxem Nalla):				
	For Minor Irrigation work namely Bandhara at Torxem.	Torxem nalla is a small nalla which emits from hilly areas in western region of Maharashtra State and unites with Tiracol River near the village Torxem in Goa District. It covers a distance of 3.5 kms. in Goa District, Union Territory of Goa, Daman and Diu.	Torxem.	Pernem	Goa

1	2	3	4	5	6
1.b) Tributary No. 2 (Khadshi Nalla):					
For Minor Irrigation works, namely Bandhara at Khadshi, Torxem, L. I. Scheme at Torxem, Fakirpatto, and canal at Tamboxem and Uguem and L. I. Scheme at Tamboxem.	Khadshi nalla emits from the Western Ghat of Maharashtra State and enters in Goa District at Mopa Village and flows westward till it joins with river Tiracol at Uguem in Goa District. It flows through dense forest range of Mopa and Tamboxem. It covers a distance of 8.5 kms. in Goa District, Union Territory of Goa, Daman and Diu.	Mopa, Tamboxem, Fakirpatto and Uguem.	Pernem	Goa.	
1.c) Tributary No. 3 (Pernem Nalla):					
For Minor Irrigation work namely Bandhara cum foot-bridge at Gandhiteer.	Pernem nalla is a small nalla which emits from the dense range of Malpe village in Goa and unites with Tiracol river at Karibanda. It covers a distance of 3.5 kms. approximately in Goa District, Union territory of Goa, Daman and Diu.	Malpe, Pernem and Karibanda.	Pernem	Goa.	
2. Harmal River:					
For Minor Irrigation works namely Bandhara at Deulawada and vehicular bridge-cum-bandhara at Varchawada Harmal.	Harmal river which emits from fairly dense mixed jungle of Corgao hilly region in Goa District and flows westward and unites with Arabian Sea at Junaswada, Harmal. It covers a distance of 11.00 kms. approximately in Goa District, Union territory of Goa, Daman and Diu.	Corgao, Harmal Junaswada and Mandrem.	Pernem	Goa.	
3. Mandrem River:					
For Minor Irrigation works namely Bandhara at Deuton, bandhara cum-bridge at Askanwada and Toleband and foot bridge cum-bandhara at Madamaz at Mandrem.	Mandrem river which emits from fairly dense mixed cashew jungles of Corgao and flows westward and unites with Arabian Sea at Mandrem covering a distance of 8.75 kms. approximately in Goa District, Union territory of Goa, Daman and Diu.	Corgao, Naikwada, Gawdawada, Bidarbag, Marathwada, Junaswada and Mandrem.	Pernem	Goa.	
4. Chapora River:					
For Major, Medium & Minor Irrigation Work, namely Bandhara at Agarwada.	Chapora river which emits from the western Ghat region of Maharashtra State and enters Goa District at Ibrampur village including all the tributaries, streams and nallas and flows westward till it empties into Arabian Sea at Chapora village. It covers a distance of 31.5 kms. in Goa District, Union territory of Goa, Daman and Diu. The river is subject to tidal interferences upto the village Sal. The main tributaries of the river Chapora are mentioned below:	Ibrampur, Alorna, Tallorna, Vajiri, Dhargal, Maksan, Arabo, Agarwada, Chopdem, Verna and Morgim.	Pernem	Goa.	
4.a) Tributary No. 1 (Sal nalla):					
For Minor Irrigation Works namely L. I. Scheme at Sal at Ibrampur and at Alorna and bandhara cum-foot-bridge at Dumacem.	Sal nalla originates from Maharashtra State and unites with Chapora river near village Sal. It covers a distance of 6.5 kms. in Goa District, Union territory of Goa, Daman and Diu.	Sal, Dumacem, Mencurem and Vadaval.	Bicholim	Goa.	
		Chandel, Colvale, Chicali, Vagali, Oxel and Siolim.	Bardez	Goa.	
4.b) Tributary No. 2 (Kalna River):					
For Minor Irrigation Works namely L. I. Schemes at Assapur (3 nos.) and at Kutwal. Bandhara at Bailpur and L. I. Scheme at Chandel and at Nagzar.	Kalna river which emits from Western Ghat of Maharashtra State and enters in Goa District near village Assapur and flows southward and unites Chapora river at Taramas. The river is subject to tidal interferences upto Bailpur village. It covers a distance of 9.5 kms. in Goa District, Union territory of Goa, Daman and Diu.	Assapur, Kristanvadi, Bailpur, Kutwal, Kessarwane, Murayavaddi and Taramas.	Pernem	Goa.	

1	2	3	4	5	6
4.c) <i>Tributary No. 3 (Virnoda Nalla):</i>					
For Minor Irrigation Work namely Bandhara at Oxel.	Virnoda nalla emits from Malpe hilly region of Pernem and flows southward and unites with river Chapora at Arabo. It covers a distance of 9.50 kms. approximately in Goa District, Union territory of Goa, Daman and Diu.	Virnoda, Malpe, Ti-vade, Dhargal, Tuem and Arabo.	Pernem	Goa	
4.d) <i>Tributary No. 4 (Parcem River):</i>					
For Minor Irrigation Work namely Maus Bandhara at Naingiwada Parsem.	Parcem river emits from Chiraya village in Pernem and joins with Chapora river at Agarwada. It covers a distance of 7.00 kms. approximately in Goa District, Union Territory of Goa, Daman and Diu.	Chiraya, Tuem, Parsem and Agarwada.	Pernem	Goa	
5. <i>Baga River:</i>					
For Minor Irrigation Work namely Bandhara at Baga.	Baga River emits from dense mixed jungles of Assagao area in Bardez Taluka and flows towards westward till it unites with Arabian Sea at Baga. It covers a distance of 10 kms. approximately in Goa District, Union territory of Goa, Daman and Diu. A small stream also joins with the river at Arpora which emits from Saligao hilly area.	Assagao, Anjuna, Arpora and Baga.	Bardez	Goa	
6. <i>Mandovi River:</i>					
(Also called as Madei River at the head of flow). For Major, Medium and Minor Irrigation works namely L. I. Scheme at Caranzol, Sonal, Khadki, Sawarshem, Bhironda, Nanuz, Padeli and Vantem and L. I. Schemes at Dhamsem, Sawarde, Velguem and Kudshem.	Mandovi river emits from the mountainous Western Ghat region and dense forest of Karnataka State. (North West Region) including all the tributaries, streams and nallas flows westward till it empties in Arabian Sea covering a distance of 81.00 kms. in Goa District, Union territory of Goa, Daman and Diu. The river is subject to tidal interferences upto Ganjem village. It flows through Satari, Bicholim, Ponda, Bardez and Tiswadi Talukas. The main tributaries of the river Mandovi are mentioned below:	Kodal, Sonal, Kuntol, Kudnem, Velguem, Nanus, Khadki, Sawarshem, Bhironda, Dhamsem, Guleli, Padeli and Vantem.	Satari	Goa	
		Ganjem, Nanuswada, Kumbharwada, Usgao, Vagurmam, Savol-Verem, Betqui, Khandola and Tonca.	Ponda	Goa	
		Ambeshi, Ambegal, Rumawada, Cotombi, Majem, Amona, Sarmanas, Piligao and Naroa.	Bicholim	Goa	
		Divar, Chodan, Old-Goa, Ribandar, Panaji and Taleigao.	Tiswadi	Goa	
		Britona, Betim-Verem, Nerul and Aguada.	Bardez	Goa	
6.a) <i>Tributary No. 1 (Nanode River):</i>					
(Also called as Surla River at the Head of flow). For Major, Medium and Minor Irrigation works, namely Mandovi Irrigation Project, Bandhara at Satrem and Caranzol.	Nanode river emits from dense jungles of Western Ghat of Surla and Concombi Zone and flows southward till it joins with Mandovi River at Nanode. It has got two main streams called as Mandrichi Nadhi and Deuchi Nadhi. It covers a distance of 20 kms. in Goa District, Union Territory of Goa, Daman and Diu.	Surla, Kodal and Nanode.	Satari	Goa	
6.b) <i>Tributary No. 2 (Kumbhtol River):</i>					
For Minor Irrigation Work namely Bandhara at Kumbhtol.	Kumbhtol river emits from dense jungles of Caranzol area and flows northward till it unites with Mandovi river at Kumbhtol village. It covers a distance of 10.50 kms. in Goa District, Union territory of Goa, Daman and Diu.	Caranzol and Kumbhtol.	Satari	Goa	

1	2	3	4	5	6
6.c) Tributary No. 3 (Patwal River):					
For Minor Irrigation Works namely Bandhara at Patwal, Nadicho Bandh at Xelup, Dhabkar bandh at Karmali.	Patwal river emits from dense mixed jungles of Assordem and Sirsodem and flows westward till it joins with Mandovi River at Barajan. It covers a distance of 10 kms. approximately in Goa District, Union territory of Goa, Daman and Diu.	Assordem, Sirsodem, Siranjali, Shelpo, Patwal and Barajan.	Satari	Goa	
6.d) Tributary No. 4 (Khotodem River):					
For Minor Irrigation works namely Bandhara at Parnicho Bandh, Nallachoval, Talicho bandha, Gundelicho bandh, all in Khotodem and Bandhara at Charyane at Dongurli, at Dharkan and at Haldule Bandha.	Khotodem river emits from Malpem jungle and flows westward till it joins with Mandovi river at Khotodem. It covers a distance of 9.75 kms. approximately in Goa District, Union territory of Goa, Daman and Diu.	Malpem, Ghavana, Ambali, Main-guem, Bimbol and Khotodem.	Satari	Goa	
6.e) Tributary No. 5 (Kotrachi River):					
For Minor Irrigation Works namely L. I. Scheme at Veluz and for bandhara at Gaulicho bandh, Pansar bandh, Gulicho bandh, Vapuladacho bandh, Rajwal, Kuchitacho bandh, Kumnicho bandh, Avelicho bandh, Namicho bandh, Vallacho bandh, Kuramgalicho bandh all in Thana; Ballacho bandh at Veluz, Bockecho bandh at Hedode, Khotacho bandh at Satorde and bandhara at Bombedem.	Kotrachi river emits from dense jungle of Golali and Ivrem-Budruck and flows southward till it unites with Mandovi River at Velguem. It covers a distance of 23.5 kms. approximately in Goa District, Union territory of Goa, Daman and Diu.	Ivrem, Budruck, Golali, Rivem, Dongrewada, Thane, Nanelli, Bali, Helodem, Satodem, Veluz, Valpoi, Dabus and Massordem.	Satari	Goa	
6.f) Tributary No. 6 (Zarme River):					
For Minor Irrigation Works namely Bandhara at Zarme, at Dabem, at Maus, at Massordem and at Copordem.	Zarme river emits from the open jungle of Vageri Dongor and flows southward till it joins with Mandovi River at Massordem. It covers a distance of 11.25 kms. approximately in Goa District, Union territory of Goa, Daman and Diu.	Zarme, Dabem, Mauxi, Valpoi and Massordem.	Satari	Goa	
6.g) Tributary No. 7 (Advoi River):					
For Minor Irrigation works namely L. I. Scheme and Bandhara at Advol, Bandhara at Deulakadil Kudco at Advol.	Advoi river emits from the dense forest of Ovalaem and flows southward till it unites with Mandovi river at Vantem. It covers a distance of 8 kms. approximately in Goa District, Union territory of Goa, Daman and Diu.	Ovalaem, Vaghurme, Kumbharkhond, Kodiem, Advol and Vantem.	Satari	Goa	
6.h) Tributary No. 8 (Ragoda River):					
For Medium and Minor Irrigation works namely Ragoda Irrigation Project, L. I. Schemes at Dado Guleli and L. I. Schemes at Udalshem.	Ragoda river emits from the dense forest of western Ghat and flows westward till it joins with Mandovi River at Guleli. It covers a distance of 35 kms. approximately in Goa District, Union territory of Goa, Daman and Diu. It has got a main tributary called Jamboli River.	Tamdi-Surla, Dhar-gem, Balkhane, Surla, Panas, Sancierdem and Udalshem.	Sanguem	Goa	
6.h) (i) Jamboli River: Tributary to Ragoda River:					
For Minor Irrigation works namely L. I. Scheme at Satpal and open type Bandhara at Satpal.	It starts from Karnataka Border and runs practically westward till Jamboli and runs through north west till it joins to Ragoda river near Surla. It covers a distance of 12 kms. in Goa District, Union territory of Goa, Daman and Diu.	Jamboli, Molem, Santana, Surla.	Sanguem	Goa	

1	2	3	4	5	6
6.i) Tributary No. 9 (Dudhsagar or Khandeapar River):					
For Medium and Minor Irrigation works namely Khandeapar Irrigation Project, Hydro Electric Dudhsagar Project and Khandeapar canal and L. I. Scheme at Pilliem.	Dudhsagar river emits from western region of Karnataka State and enters in Goa District at Kuveshi Village. It flows westward till it empties at Mandovi River. Another tributary of it called Khandeapar river emits from Karnataka State and enters into Goa District near Caranzol village and runs southward till it joins to Dudhsagar river. Further it runs westward till it empties into Mandovi river. Tidal effect is experienced 0.5 km. from dam stream side of Oddikarwada. It covers a distance of 25.6 kms. in Goa District, Union territory of Goa, Daman and Diu.	Dudhsagar, Sonaoli, Colem, Bimbal, Sigao, Velopwado, Motogenwado, Tarimarwada, Dhat, Biskar, Codli, Deukond, Dulai, Dabal, Savarbhat, Kumbharwadi, Sringnawar, Kamba, Oddikarwada and Khandeapar.	Sanguem	Goa	
6.i. (1) Calem Nalla: Tributary to Khandeapar River:					
For Medium and Minor Irrigation works namely Moida Irrigation Project and L. I. Scheme at Pimpal, Kuina, Kutkarwada at Kalay Farm.	It starts from Karnataka boundary through dense and mixed jungles and emits on hilly area on Western Ghats of Karnataka State and unites with Dudhsagar River near village Biskar. First it runs westward till Pimpalquin and then it runs practically to the north till it joins to Dudhsagar. It covers a distance of 29 kms. approximately in Goa District, Union territory of Goa, Daman and Diu.	Oxel, Kharamal, Calem, Pimpalquin, Dukarkond, Mayin, Papuli, Biskar and Cormonem.	Sanguem	Goa	
6.j) Tributary No. 10 (Volvonta River):					
For Minor Irrigation Works, namely L. I. Scheme at Pariem and Open type Bandhara at Sanquelim, at Gulem, at Gotaro, at Morshi and at Saleli.	Volvonta River emits from Western Ghat Region in Maharashtra State and enters Goa District at Shirol and flows south and joins with river Mandovi at Sarmanas. It covers a distance of 21.5 kms. in Goa District, Union territory of Goa, Daman and Diu. The river is subject to tidal interferences upto Sanquelim. This river has got three tributaries called as Kudne river, Costi river and Dicholi river.	Shirol, Goteli, Rai- van, Morlem, Pa- riem and Padsem.	Satari	Goa	
		Sanquelim, Karapur, Vajiri, Ghadiwada and Sarmanas.	Bicholim	Goa	
6.j) (1) Costi River: Tributary to Volvonta River:					
For Medium and Minor Irrigation Works namely Anjunem Irrigation Project.	Costi River emits from dense forest of Ponsuli, Kalavade and flows westward and joins with river Volvonta at Ghoteli. It covers a distance of 8.5 kms. approximately in Goa District, Union territory of Goa, Daman and Diu.	Ponsuli, Kalavade, Gullem, Anjunem, Keri and Ghoteli.	Satari	Goa	
6.j) (2) Cudne River: Tributary to Volvonta:					
For Minor Irrigation Works namely L. I. Scheme at Cudne and Bandhara at Arvalem, at Cudne, at Ghadiwada, at Virdi, at Binoni and Ghotakthad at Surla.	Cudne river emits from the dense jungle of Buipal and flows westward and unites with the Volvonta river at Karkhajan. It covers a distance of 17 kms. approximately in Goa District, Union territory of Goa, Daman and Diu.	Buipal, Saleli and Honda.	Satari	Goa	
		Arvalem, Gavthan, Cudnem and Virdi.	Bicholim	Goa	
6.j) (3) Dicholi River: Tributary to Volvonta:					
For Minor Irrigation Works namely L. I. Scheme at Vathadeu (Old and new) and Maulinguem and Bandhara-cum-foot bridge at Bicholim.	Dicholi river emits from Western Ghat region of Maharashtra State and enters Goa District at Kudchirem and flows westward and unites with river Volvonta at Karapur. It covers a distance of 15 kms. in Goa District, Union territory of Goa, Daman and Diu.	Kudchirem, Maulin- guem, Bicholim and Sarvona.	Bicholim	Goa	
6.k) Tributary No. 11 (Mapusa River):					
(Also called as Assonora river in Upper Reach) for Minor Irrigation Works namely Bandharas at Malacho Bandh, Bandhara-cum-foot	Mapusa river emits from dense mixed jungles of Dumacem and Amthane and flows southward and joins with river Mandovi at Penha de Franca. It covers a distance of 26 kms. approxima-	Amthane and Ad- valpal.	Bicholim	Goa	

1	2	3	4	5	6
	bridge at Advalpal and Gaonkarwada bandh, Garbhat bandh, Mauchiwada bandh, Manshicho bandh also at Advalpal and Bandhara at Assonora and tank at Amthane and Bandhara-cum-sluice gate at Manasbag.	tely in Goa District, Union territory of Goa, Daman and Diu.	Assonora, Sirsaim, Aldona, Corjuem, Pomburpa, Salvador-do-Mundo, Britona and Penha de Franca.	Bardez	Goa
6.k) (1) <i>Moide River (Tributary to Mapusa River):</i>	For Minor Irrigation work namely Bandhara at Moide.	Moide river emits from Guirim and flows north east and joins with river Mapusa at Sirsaim. It covers a distance of 17 kms. in Goa District, Union territory of Goa, Daman and Diu.	Guirim, Bastora, Mapusa, Tivim and Sirsaim.	Bardez	Goa
6.l) <i>Tributary No. 12 (Singerim River):</i>	For Minor Irrigation work namely Bandhara at Singerim.	Singerim river emits from Alto Porvorim hillock in Bardez Taluka and flows towards westward till it joins Mandovi river. It covers a distance of 11 kms. approximately in Goa District, Union territory of Goa, Daman and Diu.	Pilerne, Verem, Nerul, Candolim and Singerim.	Bardez	Goa
7. <i>Zuari River:</i>	(This is also called as Sanguem River at the Head of flow).				
	For Major, Medium and Minor Irrigation work namely Bandhara at Chandor.	Confluence of Uguem and Guleli is called as Sanguem River or Zuari river. Confluence point is at Sanguem. Further to that it runs north west upto Sanvordem. Further it runs to the West till Kushavati River and joins at Xelvona. Further, it changes its direction to the north till it reaches at Ponchavadi and further flows to the west upto Rachol and further flows to north upto Borim and further runs to the north west to Racaim, Durbhat and joins to Arabian Sea at Mormugao. It covers a distance of 67 kms. in Goa District, Union territory of Goa, Daman and Diu. It flows through Sanguem, Quepem, Salcete, Ponda, Mormugao and Tiswadi Talukas. The main tributaries of the river Zuari are mentioned below:	Tudov, Uguem and Sanguem. Sollem, Curchorem and Xelvon. Curtorim, Rachol and Racaim. Taripanto, Sollem, Kajibag, Mirabag, Panetemol, Dado, Ponchavadi and Durbhat. Cortalim, Chicalim, Vasco-da-Gama and Mormugao. Agacaim, Siridao, Oxel and Dona-Paula.	Sanguem Quepem Salcete Ponda Mormugao Tiswadi	Goa Goa Goa Goa Goa Goa
7.a) <i>Tributary No. 1 (Uguem River):</i>	For Medium and Minor Irrigation Works namely Uguem Irrigation Project, L. I. Scheme at Potrem and at Kuinamol.	It starts from Karnataka boundary. Two tributaries of Uguem River emits from Karnataka boundary both running through dense jungle till they join near Potrem. Further, it runs north west upto Uguem and then practically to the west till Sanguem which it in turn joins to Zuari. Tidal effect is experienced around 1 kilometre upstream of the confluence of Uguem and Guleli rivers. It covers a distance of 23 kms. in Goa District, Union territory of Goa, Daman and Diu.	Barajan, Chichegal, Bombad, Potrem, Uguem and Sanguem.	Sanguem	Goa
7.a)(1) <i>Panchamal Nalla: (Tributary to Uguem River):</i>	For Minor Irrigation work namely Bandhara at Panchamal.	It emits through the dense mixed jungles near Dargin and Panchamahall and runs to the south west till it joins Uguem River near Uguem. It covers a distance of 5.5 kms. approximately in Goa District, Union territory of Goa, Daman and Diu.	Dargin, Panchmahall and Uguem.	Sanguem	Goa

7.b) Tributary No. 2 (Guleli River):

For Major, Medium and Minor Irrigation Works namely, Salaulim Irrigation Project.

It emits from Karnataka boundary and runs westward through mixed jungle about 5 kms. and then further changes the direction to north west till at Netorli. Then, it runs to the north and joins to Sanguem or Zuari River Sanguem. Tidal effect is experienced around 3.5 kms. upstream of confluence point of Sanguem. It covers a distance of 41 kms. in Goa District, Union Territory of Goa, Daman and Diu.

Bandavada, Netorli, Angadi, Attremol, Curdi Kharemol, Unnan Xelpon, Patwada, Damal, Piraj, Tikalmal and Sanguem.

Sanguem Goa

7.b)(1) Netorli Nalla:

(Tributary to Guleli River):

For Minor Irrigation Work namely Bandhara at Netorli.

It starts from dense mixed jungles near village Verlem and runs through north till it joins to Guleli river running through Adukune, Netorli. It covers a distance of 5 kms. approximately, in Goa District, Union Territory of Goa, Daman and Diu.

Adukune and Netorli.

Sanguem Goa

7.b)(2) Cumbhari Nalla:

(Tributary to Guleli River):

For Minor Irrigation Work namely Bandhara at Dune-mol.

It emits from Khadri mountain and runs to the west upto Cumbhari and then to the South West upto Gaonkarwada and then further it joins to Guleli near Jayamol. It covers a distance of 11 kms. approximately, in Goa District, Union territory of Goa, Daman and Diu.

Cumbhari, Gaonkarwada, Vhalse, Maide Galiye and Dunemol.

Sanguem Goa

7.b)(3) Chirkanali Nalla:

(Tributary to Guleli River):

For Minor Irrigation Work namely Nanda Tank.

It starts from dense mixed jungle of Nagewada and runs north through Chirkanali, Karmaliwada and then turns north east and runs through Gotmarad and again turns north to meet Zuari River at Xeldem. It covers a distance of about 12 kms. approximately in Goa District, Union territory of Goa, Daman and Diu.

Nagewada, Chirkanali, Karmaliwada, Gotmarad and Hodar.

Quepem Goa

7.c) Tributary No. 4 (Kushavati River):

For Medium and Minor Irrigation Works namely Kushavati Irrigation Project, Paroda Canal, L. I. Scheme at Xelvonshet at Rivona and Avedem, at Cotombi and for Open Type Bandhara at Menshetod.

It starts from dense jungles near Nune and runs to the north west till Danoli and further to the north west till Quepem. Further to the north west till it joins to Zuari River near Xelvons. Tidal effect is experienced upto Avedem. It covers a distance of 45 kms. approximately in Goa District, Union territory of Goa, Daman and Diu.

Mamaidevi, Matse Devre, Sulcorna, Kanura, Danoli, Nand, Xelvons, Rivona and Zambaulim.

Sanguem Goa

Sirvol, Quepem, Avedem, Cotombi, Asolda and Xelvona.

Quepem Goa

Paroda and Chandor

Salcete Goa

7.c)(1) Gocoldem Nalla:

(Tributary to Kushavati River):

For Minor Irrigation Work namely Bandhara at Gocoldem.

It emits from mixed dense jungles of Charl, Kajugao and runs to the west for the first 5 kms. and then it runs near the village Gocoldem and runs to the north near the village Mayan and further joins to Kushavati river near Rivona about 1 kilometre. It covers a distance of 14 kms. approximately in Goa District, Union territory of Goa, Daman and Diu.

Gocoldem and Mayan.

Quepem Goa

Rivona.

Sanguem Goa

1	2	3	4	5	6
7.c)(1)(i) <i>Cavorem Nalla:</i> (Tributary to Kushavati River):					
For Minor Irrigation Work namely Bandhara at Pillale.	It emits from dense mixed jungles near Cavorem and runs towards east till it joins to Gocoldem nalla via Mollem. It covers a distance of 4 kms. approximately in Goa District, Union territory of Goa, Daman and Diu.	Cavorem and Mollem.	Quepem	Goa	
7.d) <i>Tributary No. 4 (Santana River):</i>					
For Minor Irrigation Work namely Bandhara at Siridao.	It emits from Santana Hillock in Tiswadi Taluka and flows southwards till it unites with Zuari River at Siridao. It covers a distance of 9 kms. approximately in Goa District, Union territory of Goa, Daman & Diu.	Santana, Curca, Goa-Velha and Siridao.	Tiswadi	Goa	
8. <i>Sal River:</i>					
For Minor Irrigation Works namely, Verna Tank and Bandhara at Caulibandh and Deussua.	It originates near Verna and runs to the South and join to Arabian Sea near Betul. Tidal effect is experienced upto Kharebandh. It covers a distance of 35 kms. approximately in Goa district, Union territory of Goa, Daman and Diu.	Verna, Nuvem, Mungal, Margao, Benaulim, Varca, Cavelossim, Deus-sua, Chinchinim and Assolda.	Salcete	Goa	
8.a) <i>Tributary No. 1 (Navelim Nalla):</i>					
For Minor Irrigation Work namely Bandhara at Sirim.	It emits from St. Jose de Areal through fairly densed mixed jungle near Bandalbag and runs to the South till the confluence near Davorlim and further it runs to the west about 1 kilometre and then starts running to the south till it meets River Sal. It covers a distance of 6 kms. approximately in Goa District, Union territory of Goa, Daman and Diu.	St. Jose de Areal, Bandalbag, Davorlim, Navelim Mandap and Sandorim.	Salcete	Goa	
8.b) <i>Tributary No. 2 (Cuncolim Nalla):</i>					
For Minor Irrigation Works namely L. I. Scheme at Fatorpe, Vagazuem Tank, Sirabandh, Panagaband Shirleancho bandh, Follansbandh and Piraband at Cuncolim.	It emits from the Open Jungle near Bali and runs to the north till Sanvorcotto and then further to the confluence point in the western direction. Another tributary which emits from Open Sherba near Cuncolim and runs north west via Cuncolim, Danora to the confluence point. It joins to the main river near Assolna village which runs in the western direction. It covers a distance of 4 kms. approximately in Goa District, Union territory of Goa, Daman and Diu.	Sanvorcotto, Cuncolim, Dandora and Assolna.	Salcete	Goa	
9. <i>Saleri River:</i>					
For Medium and Minor Irrigation Works namely Canacona Irrigation Project, Open Type Bandhara at Mudkud.	It emits from fairly mixed jungle near Barcem and Gocoldem and runs westward for a distance of about 6 kms. Further it takes a turn to south west till it joins Arabian Sea near Devakaran. It covers a distance of 12 kms. approximately in Goa District, Union territory of Goa, Daman and Diu.	Barcem, Gocoldem, Devakaran, Pissondi, Panmol, Mudkud and Saliell.	Canacona	Goa	
9.a) <i>Tributary No. 1 (Padi Nalla):</i>					
For Minor Irrigation Work namely Bandhara at Pissondi.	It emits from Padi Hills and runs to the south west till it joins to Saleri river near Pissondi via Padi. It covers a distance of 4 kms. approximately in Goa District, Union territory of Goa, Daman and Diu.	Padi and Pissondi.	Canacona	Goa	
9.b) <i>Tributary No. 2 (Agonda Nalla):</i>					
For Minor Irrigation Works namely Open Type Bandhara at Chapoti Ghat and Gurawal.	It emits from mixed jungle near Gule and runs to the south west for a distance of 4 kms. and further it takes a turn to the west upto Agonda for a distance of 3.5 kms. and further it runs to the north till it reaches to Saleri River. It covers a distance of 7.5 kms. approximately in Goa District, Union territory of Goa, Daman and Diu.	Gule, Canacona, Agonda, Parve and Devakhajan.	Canacona	Goa	

1	2	3	4	5	6
9.c) <i>Tributary No. 3 (Molorem Nalla):</i>					
For Minor Irrigation Work namely Bandhara at Mudkud.	It emits from Damani Hill near Molorem and runs to the South for a distance of 4 kms. further with a confluence of small tributary which emits from Karve and runs to the south till it reaches the main river near Saleri. It covers a distance of 6 kms. approximately in Goa District, Union territory of Goa, Daman and Diu.	Molorem, Cola and Mudkud.	Canacona	Goa	
10. <i>Talpona River:</i>					
For Medium and Minor Irrigation Works namely Talpona Irrigation Project, L. I. Scheme at Partagal, Barkeifond and Ordofond and Open Type Bandhara at Sauraiakonimol and Astegal and Weir at Kuske.	It emits from dense mixed jungle of Ravona Dongor in between Nane and Kuske and runs to the south via Kuske, Heda and further it runs to the west at Jappal and further to the south upto the confluence point near Bhatpal and runs to the west upto Astegal and further to the north west, it runs for a distance of 6 kms. and the direction to the south west to Partagal, then it runs for a distance of about 2 kms. north west direction, further it changes its direction to south west for a distance of another 2 kms. near Ordofond, further it runs to the west till it reaches the Arabian Sea near Talpona. It covers a distance of 31 kms. approximately in Goa District, Union territory of Goa, Daman and Diu.	Kuske, Heda, Jappal, Bhatpal, Astegal, Partagal, Ordofond, Talpona, Barkeifond, Bhatpal, Mokhard, Dalem, Sadoixem, Palne, Phode, Mangal, Muttal, Pipalbag and Talpona.	Canacona	Goa	
10.a) <i>Tributary No. 1 (Nadke Nalla):</i>					
For Minor Irrigation Work namely Bandhara at Nadke.	It emits from dense mixed jungle near Nadke and runs 2 kms. in the southward direction and turns to westward direction till to the confluence point where another tributary if which starts from dense mixed jungle near Eudrien and runs northwest till it meets at confluence point. Further, it runs to northwest till it joins to main river near Batpal. It covers distance of 10 kms. approximately in Goa District, Union territory of Goa, Daman and Diu.	Nadke, Eudrien and Batpal.	Canacona	Goa	
10.b) <i>Tributary No. 2 (Gaondongrem Nalla):</i>					
For Minor Irrigation Works namely L. I. Schemes at Fulamol including Open Type Bandhara at Talne, Vaigon at Barcem and at Kinalkatta.	It starts from open mixed jungle near Vaul and runs southward direction via Chal, Nanem, Duttade and Gaondongrem till to the confluence point near Panha. Another tributary of which starts from dense mixed jungle near Ambeghat and runs to the southwest till it meets at confluence point near Panha via Bhars, Tudal. Further it runs in the westward direction to meet the main river at Barkefond near Partagal via Talus. It covers a distance of about 15 kms. approximately in Goa District, Union territory of Goa, Daman and Diu.	Vaul, Chal, Nanem, Duttade, Gaondongrem, Ambeghat, Panha, Bhars, Tudal, Tallem and Barkefond.	Canacona	Goa	
10.c) <i>Tributary No. 3 (Bhatpal Nalla):</i>					
For Minor Irrigation works namely Open Type Bandhara at Nuven, Dalem and at Bhatpal (2 nos.).	It emits from fairly mixed dense jungle near Carvem and runs southwest till it joins to Talpona River near Bhatpal. It covers a distance of 6 kms. approximately in Goa District, Union territory of Goa, Daman and Diu.	Carvem, Bhatpal and Ordofond.	Canacona	Goa	
10.d) <i>Tributary No. 4 (Khalwade Nalla):</i>					
For Minor Irrigation Works namely Open Type Bandhara at Kazal, at Chiraband and at Kondlabag.	It emits from dense mixed jungle near Vauzanwadda and runs to southwest till it joins to Talpona River near Dalem. It covers a distance of 6 kms. approximately in Goa District, Union territory of Goa, Daman and Diu.	Mallikajunwada, Khalwade and Dalem.	Canacona	Goa	

1	2	3	4	5	6
11.	Galgibag River: For Minor Irrigation Works namely Open Type Bandhara at Pansurem (2 nos.) at Bocargal, at Marwegal, at Kopre, at Vetaldag, at Mikaband and at Kedve.	It emits from densed mixed jungle in Karnataka State and enters Goa District near Mulem and runs to the north west till Poinginim. Further, it runs to the west till it reaches the Arabian Sea near Maxem. Tidal effect is upto Voilowado about 3.5 kms. It covers a distance of 15 kms. in Goa District, Union territory of Goa, Daman and Diu.	Mulem, Poinginim, Konkall, Tirvon, Chiplem, Cotigao, Borus, Galayem, Maxem, Velipwado, Tamne, Mahalwado, Mugnal, Galgibag and Maxem.	Canacona	Goa
11.a)	Tributary No. 1 (Maxem River): For Minor Irrigation Works namely Open Type Bandhara at Maxem, at Soliem at Ushiband, at Pedem and at Pedengal.	It emits from dense mixed jungle near Medal and Bhand and runs to the west till Pedem and further it runs to the North West till it joins Arabian Sea near Maxem. Tidal effect is influenced upto Khajalkar about 2 kms. It covers a distance of 10 kms. approximately in Goa District, Union territory of Goa, Daman and Diu.	Medal, Bhand, Pedem, Maxem Loliem and Khajalkar.	Canacona	Goa
11.a)(1)	Loliem Nalla: (Tributary to Maxem River): For Minor Irrigation Works namely Open Type Bandhara at Nuvem, at Xelim and 2 more at Xelim.	It starts through mixed jungle near Tanas and runs to the north till to the confluence of Maxem river near Loliem. It covers a distance of 2.5 kms. approximately in Goa District, Union territory of Goa, Daman and Diu.	Tanas, Xelim and Durigal.	Canacona.	Goa
IN DAMAN DISTRICT:					
12.	Kolak River: For Minor Irrigation Work namely Bandhara at Bimpore.	River rises from adjoining Gujarat territory and enters Daman District near village Moti-Vankad. It is northern boundary of Daman District and it covers a distance of 5.5 kms. in Daman District, Union territory of Goa, Daman and Diu.	Moti-Vankad and Nani-Vankad.	Daman	Daman
13.	Damanganga River: For Medium and Minor Irrigation Work namely Damanganga Irrigation Project.	It rises in Gujarat State and enters Daman District near village Zari. Further, it runs to westward again it goes to northward and take the direction to the west then it meets to Arabian Sea covering a distance of 7.75 kms. in Daman District, Union territory of Goa Daman and Diu. The river is subject to tidal interferences.	Zari, Kanchgam, Magarwada, Var-khand, Patlara, Ambawadi, Khariwadi and Daman Town.	Daman	Daman
14.	Kalai River: For Minor Irrigation Work namely L. I. Scheme at Bharmanpuja.	River starts from Maharashtra Region and enters Daman District near village Zari. It is a southern boundary of Daman District and it covers a distance of 3.75 kms. in Daman District, Union territory of Goa, Daman and Diu.	Zari-Devapardi and Jampore.	Daman	Daman
IN DIU DISTRICT:		NIL			

By order and in the name of the Administrator of Goa, Daman and Diu.

A. V. Pimenta, Under Secretary to the Government of Goa, Daman and Diu.

Panaji, 22nd March, 1982.